

Google's Autonomous Vehicles

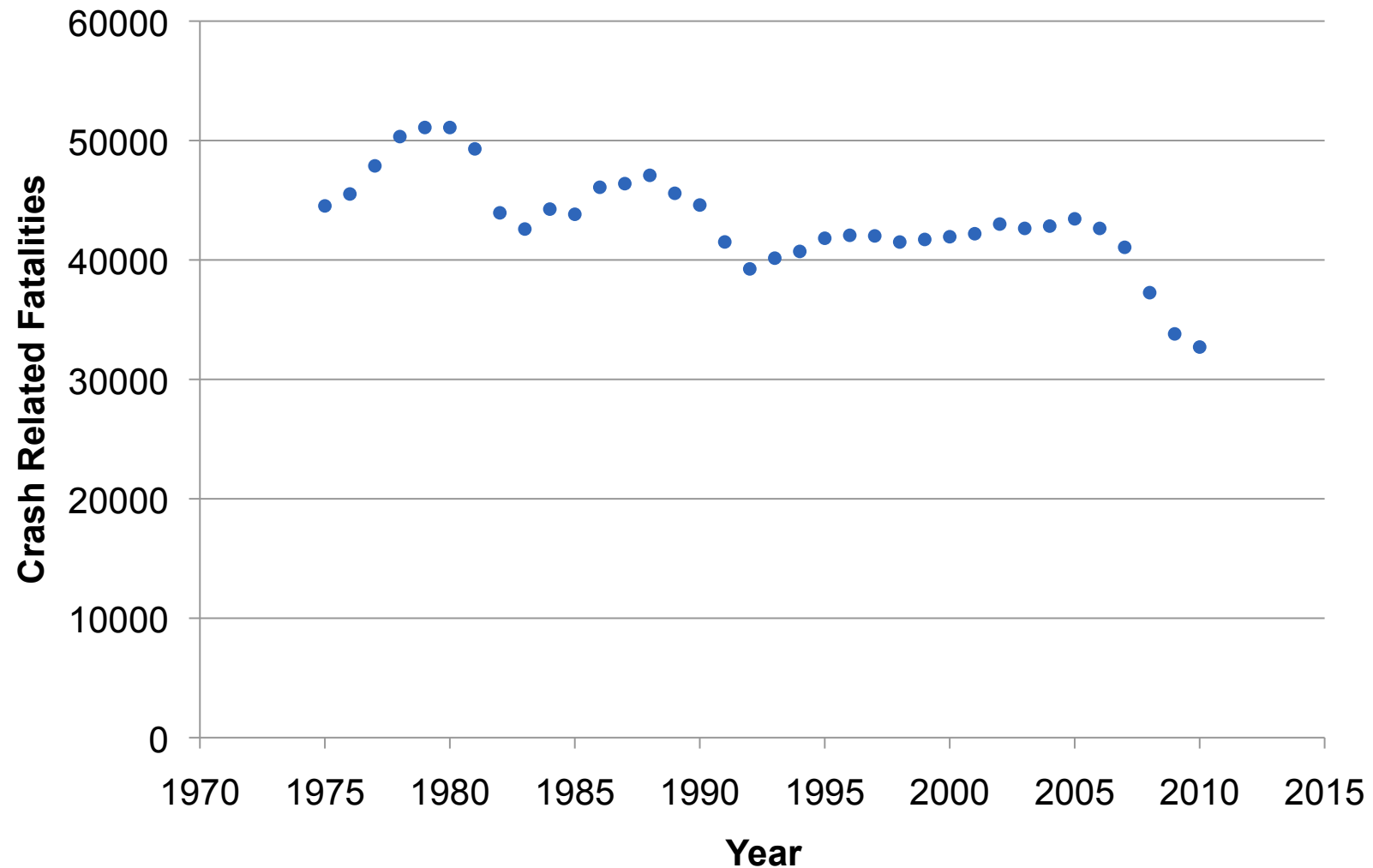


Anthony Levandowski

Self Driving Car: 1957



We can make a big difference

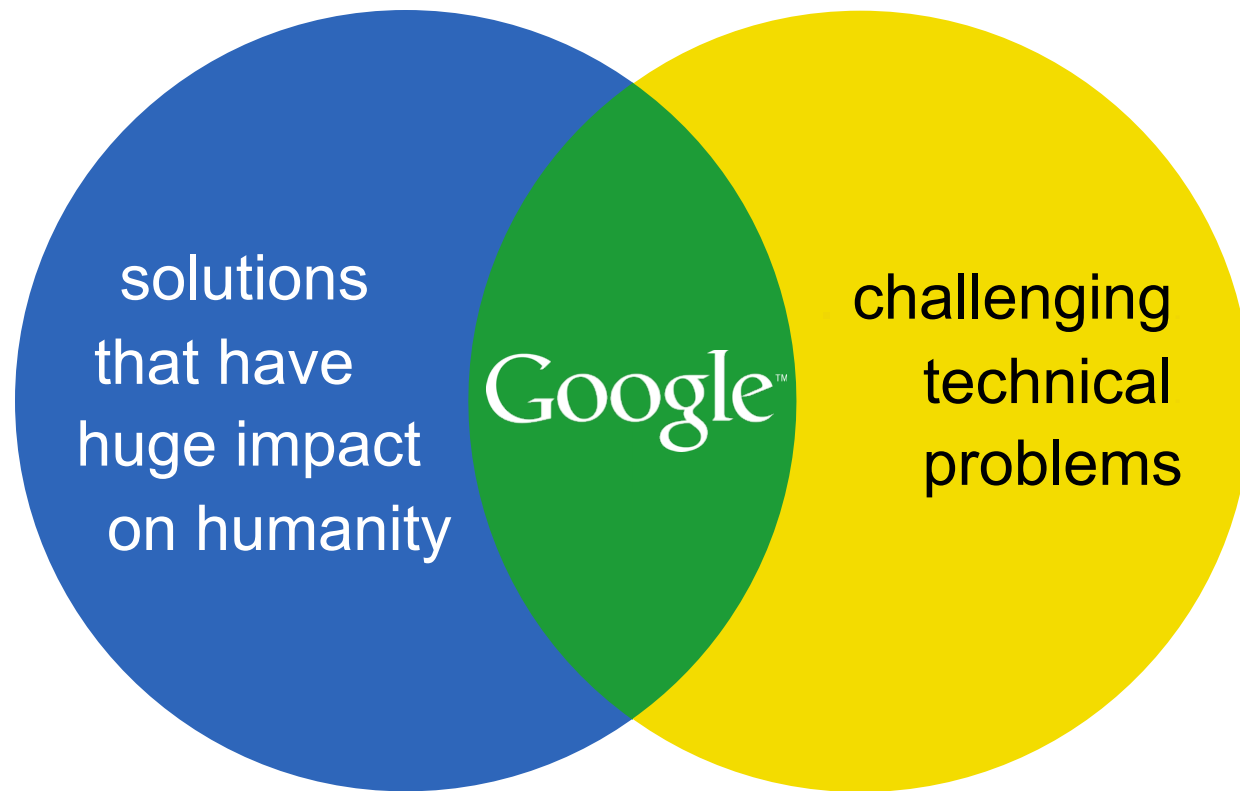


It's all about safety



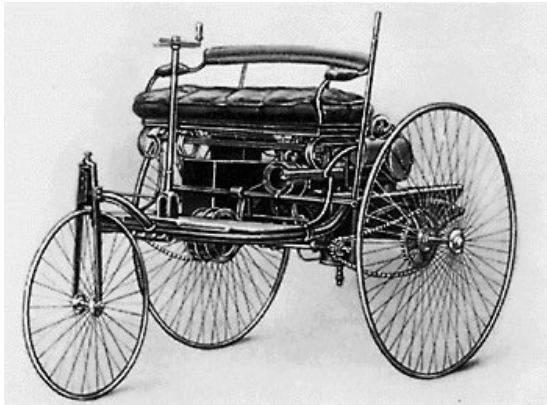
- >95% of collision caused by human error
- 32,788 fatalities (2010)
- 3,092 fatalities do to distracted driving (2010)
- ~1,500,000 per year world wide

Why Google?



Perspective

- What would a car be like today if the computer would have been invented before the car?



Benz Patent-Motorwagen
1885



Apple II
1977

Different approach

1) No New Infrastructure



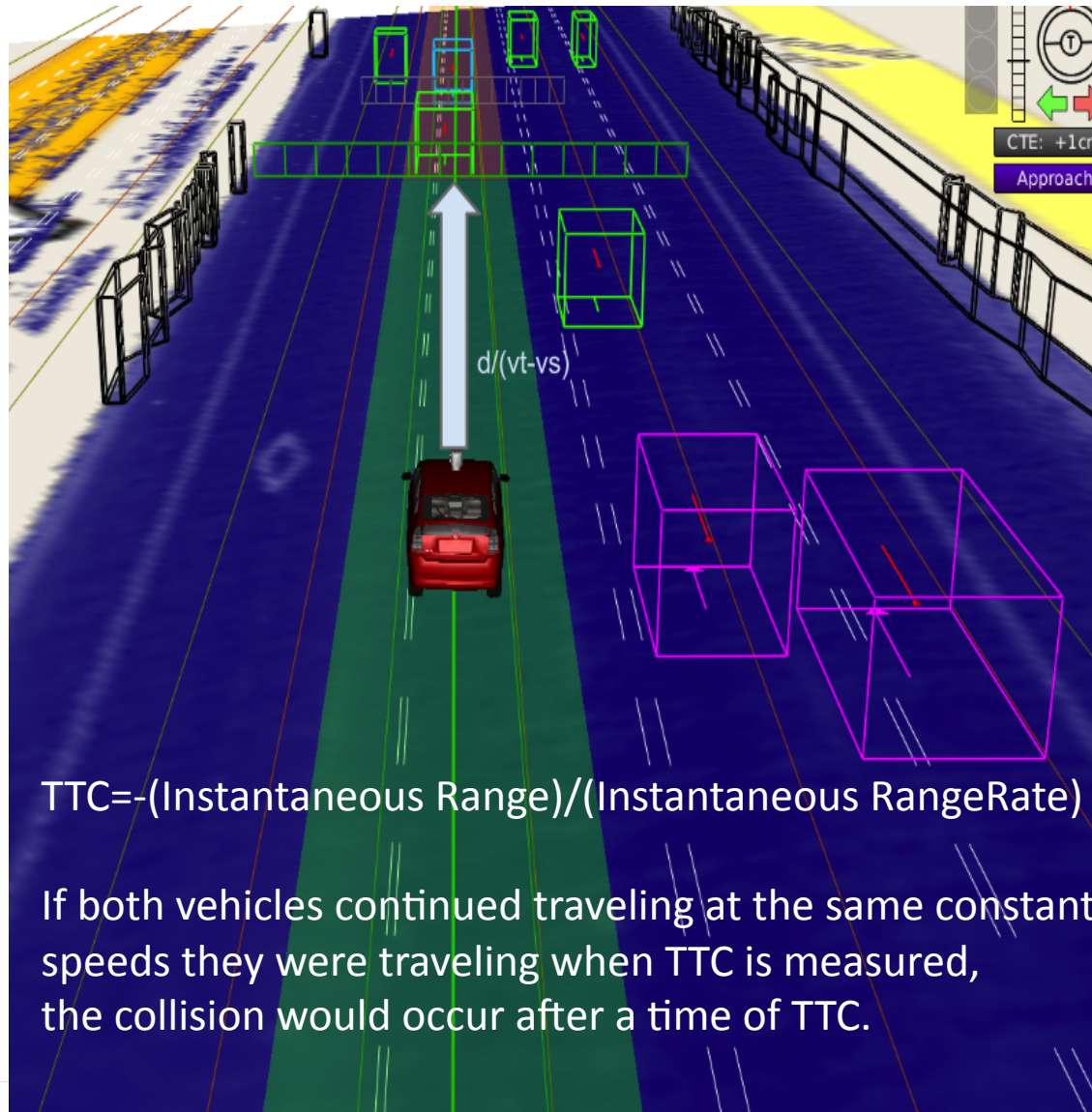
Different Approach

2) Must work on its own

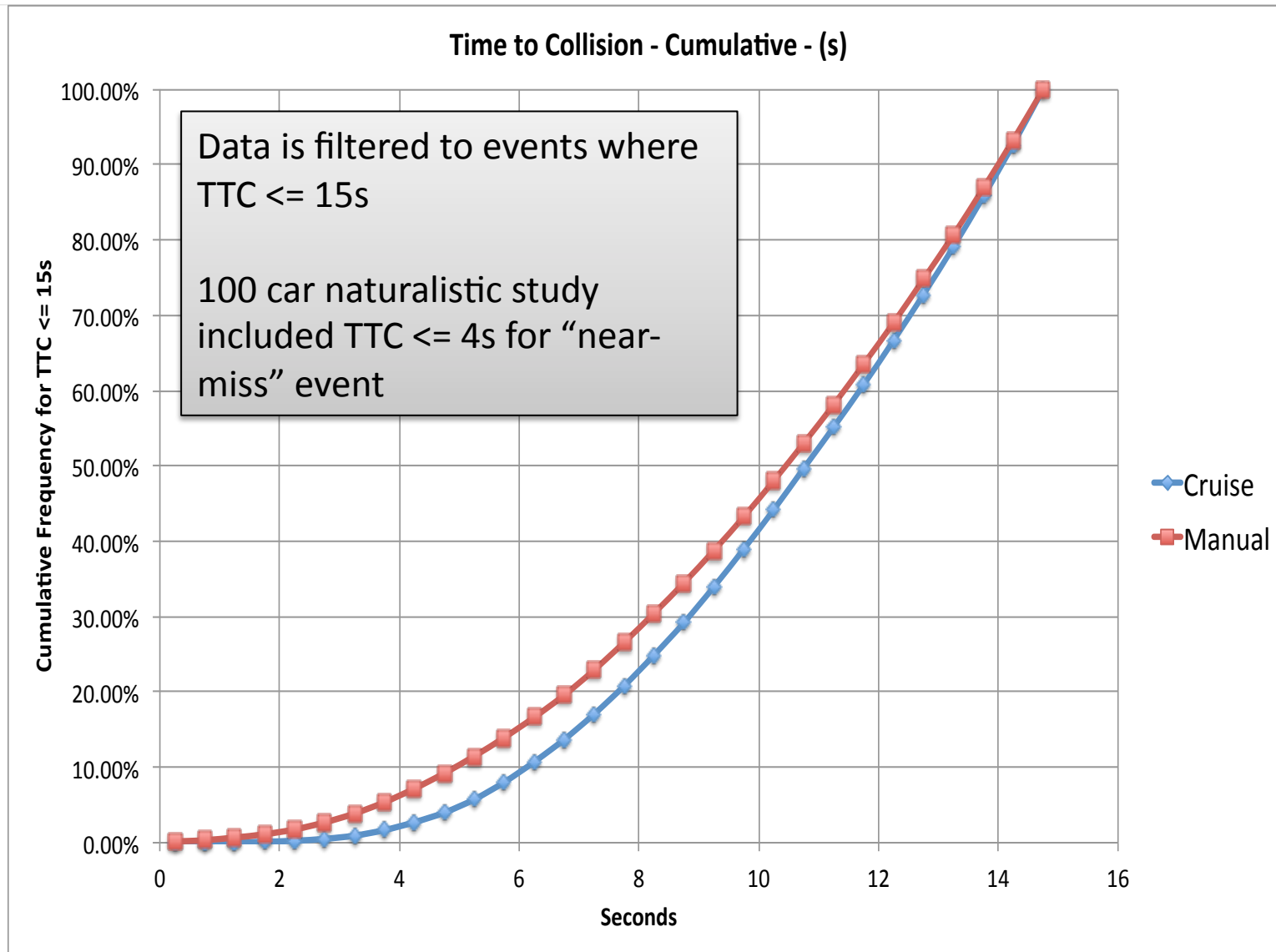




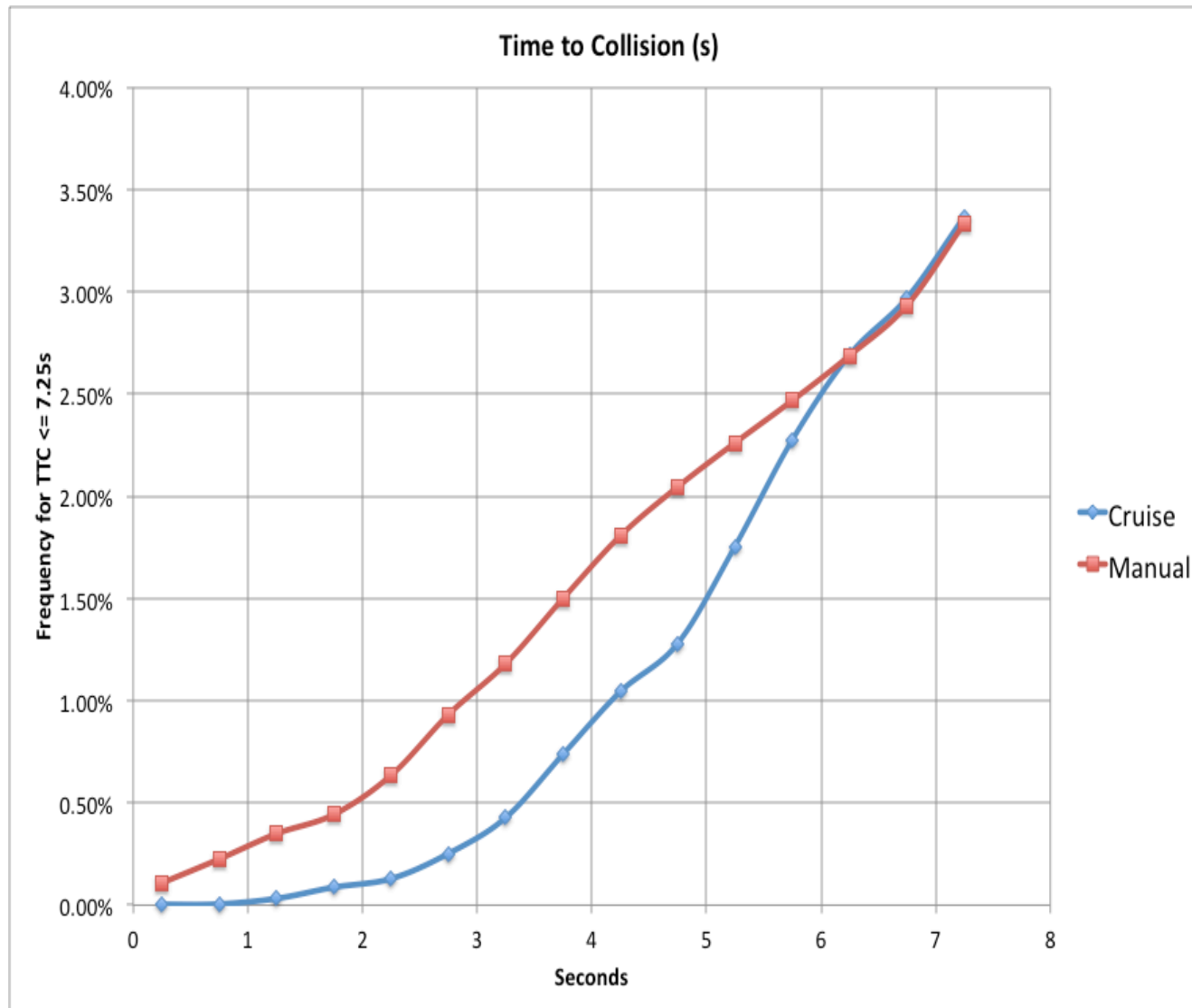
Time to Collision



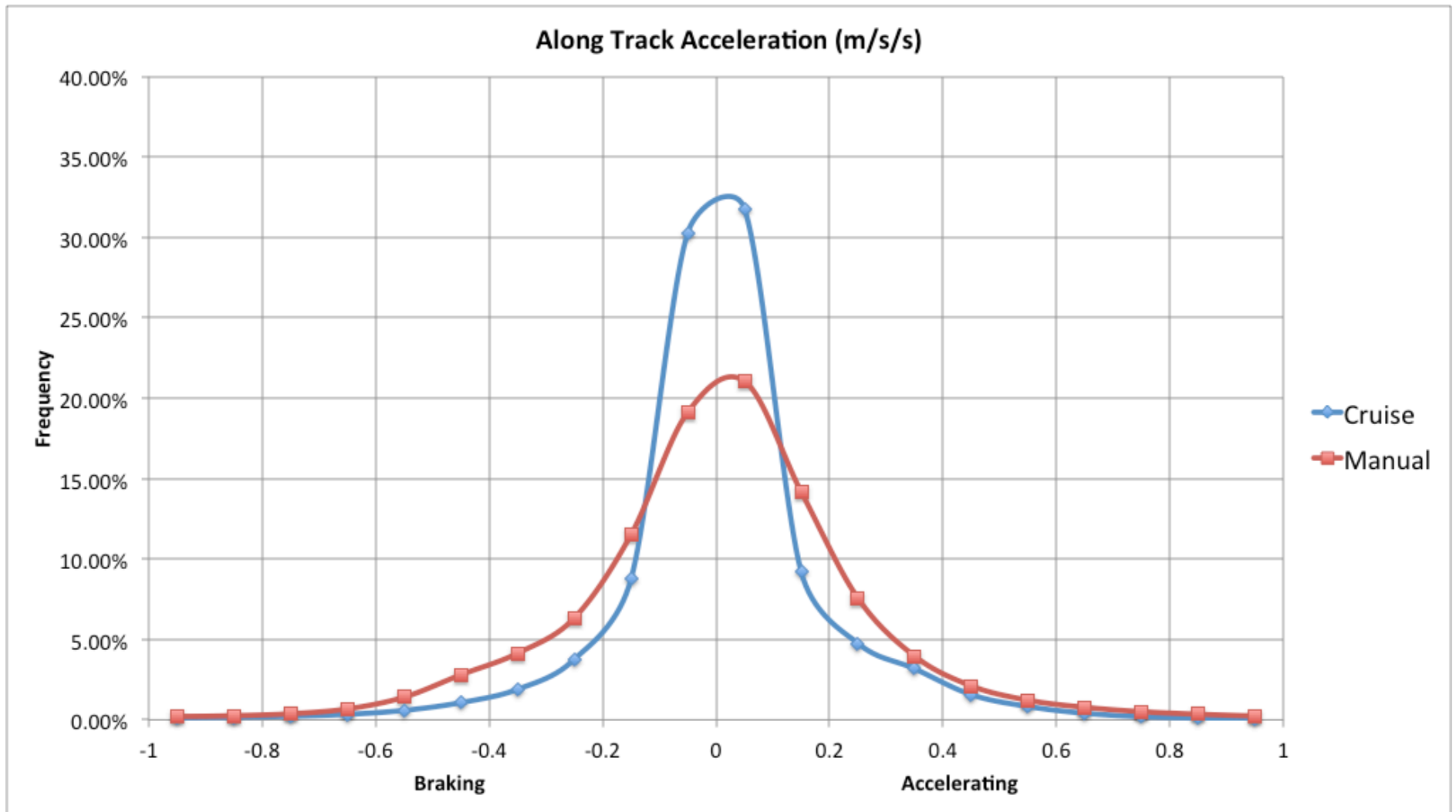
Time to Collision (cdf) (seconds)



Time to Collision (≤ 7.5 seconds)



“Smoother” Driving



Improving people's lives by
transforming mobility

